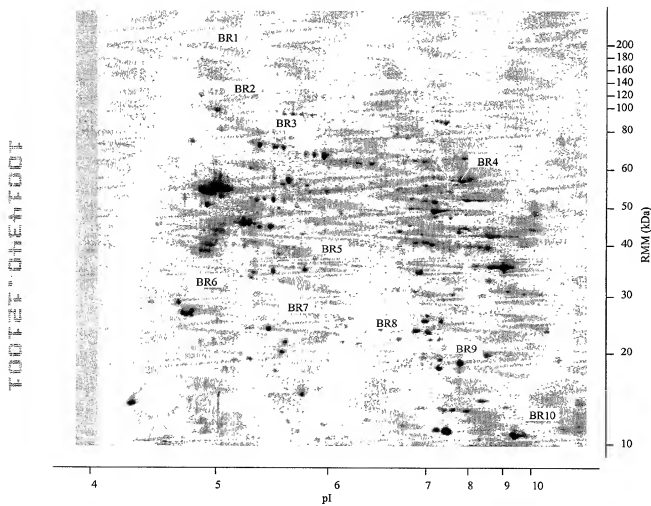**FIGURE 1**

Figure 2a

```
   1  gtccgggacc atgtctggag aactaccacc aaacattaac atcaaggaac
  51  ctcgatggga tcaaagcact ttcattggac gagccaatca tttcttcact
 101  gtaactgacc ccaggaacat tctgttaacc aacgaacaac tcgagagtgc
 151  gagaaaaata gtacatgatt acaggcaagg aattgttcct cctggtctta
 201  cagaaaatga attgtggaga gcaaagtaca tctatgattc agcttttcat
 251  cctgacactg gtgagaagat gattttgata ggaagaatgt cagcccaggt
 301  tcccatgaac atgaccatca caggttgtat gatgacgttt tacaggacta
 351  cgccggctgt gctgttctgg cagtggatta accagtcctt caatgccgtc
 401  gtcaattaca ccaacagaag tggagacgca cccctcactg tcaatgagtt
 451  gggaacagct tacgtttctg caacaactgg tgccgtagca acagctctag
 501  gactcaatgc attgaccaac catgtctcac cactgatagg acgttttgtt
 551  cccttgctg ccgtagctgc tgctaattgc attaatattc cattaatgag
 601  gcaaagggaa ctcaaagttg gcattcccgt cacggatgag aatgggaacc
 651  gcttggggga gtcggcgaac gctgcgaaac aagccatcac gcaagttgtc
 701  gtgtccagga ttctcatggc agcccctggc atggccatcc tccattcat
 751  tatgaacact ttggaaaaga aagccttttt gaagaggttc ccatggatga
 801  gtgcacccat tcaagttggg ttagttggct tctgtttggt gtttgctaca
 851  cccctgtgtt gtgccctgtt tcctcagaaa agttccatgt ctgtgacaag
 901  cttggaggcc gagttgcaag ctaagatcca agagagccat cctgaattgc
 951  gacgcgtgta cttcaataag ggattgtaaa gcagggagga aacctctgca
1001  gctcattctg ccactgcaaa gctggtgtag ccatgctggt gagaaaaatc
1051  ctgttcaacc tgggttctcc cagttacgga aagggcgaat tcgcggccgc
1101  taattcgatt cgccctatag nagtngtaac antc
```

Figure 2b

```
   1  MSGELPPNIN IKEPRWDQST FIGRANHFFT VTDPRNILLT NEQLESARKI
  51  VHDYRQGIVP PGLTENELWR AKYIYDSAFH PDTGEKMILI GRMSAQVPMN
 101  MTITGCMMTF YRTTPAVLFW QWINQSFNAV VNYTNRSGDA PLTVNELGTA
 151  YVSATTGAVA TALGLNALTK HVSPLIGRFV PFAAVAAANC INIPLMRQRE
 201  LKVGIPVTDE NGNRLGESAN AAKQAITQVV VSRILMAAPG MAIPPFIMNT
 251  LEKKAFLKRF PWMSAPIQVG LVGFCLVFAT PLCCALFPQK SSMSVTSLEA
 301  ELQAKIQESH PELRRVYFNK GL*
```

2

FIGURE 3a

```
  1   gtccgggacc atgtctggag aactaccacc aaacattaac atcaaggaac
 51   ctcgatggga tcaaagcact ttcattggac gagccaatca tttcttcact
101   gtaactgacc ccaggaacat tctgttaacc aacgaacaac tcgagagtgc
151   gagaaaaata gtacatgatt acaggcaagg aattgttcct cctggtctta
201   cagaaaatga attgtggaga gcaaagtaca tctatgattc agcttttcat
251   cctgacactg gtgagaagat gattttgata ggaagaatgt cagcccaggt
301   tcccatgaac atgaccatca caggttgtat gatgacgttt tacaggacta
351   cgccggctgt gctgttctgg cagtggatta accagtcctt caatgccgtc
401   gtcaattaca ccaacagaag tggagacgca cccctcactg tcaatgagtt
451   gggaacagct tacgtttctg taacaactgg tgccgtagca acagctctag
501   gactcaatgc attgaccaag catgtctcac cactgatagg acgttttgtt
551   ccctttgctg ccgtagctgc tgctaattgc attaatattc cattaatgag
601   gcaaagccat ccctccattc attatgaaca ctttggaaaa gaaagccttt
651   ttgaagaggt tcccatggat gagtgcaccc attcaagttg ggttagttgg
701   cttctgtttg gtgtttgcta caccctgtg ttgtgccctg tttcctcaga
751   aaagttccat gtctgtgaca agcttggagg ccgagttgca agctaagatc
801   caagagagcc atcctgaatt gcgacgcgtg tacttcaata agggattgta
851   aagcagggag gaaacctctg cagctcattc tgccactgca aagctggtgt
901   agccatgctg gtgagaaaaa tcctgttcaa cctgggttct cccagttang
951   gaaagggcga attcgcggcc gctgattcna ttac
```

Figure 3b

```
  1   MSGELPPNIN IKEPRWDQST FIGRANHFFT VTDPRNILLT NEQLESARKI
 51   VHDYRQGIVP PGLTENELWR AKYIYDSAFH PDTGEKMILI GRMSAQVPMN
101   MTITGCMMTF YRTTPAVLFW QWINQSFNAV VNYTNRSGDA PLTVNELGTA
151   YVSVTTGAVA TALGLNALTK HVSPLIGRFV PFAAVAAANC INIPLMRQSH
201   PSIHYEHFGK ESLFEEVPMD ECTHSSWVSW LLFGVCYTPV LCPVSSEKFH
251   VCDKLGGRVA S*
```

FIGURE 4